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中国云南草螽属一新种 (直翅目, 螽斯科)

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摘　要　报道采自中国云南草螽属 1 新种, 即云南草螽 *Conocephalus* (*Anisoptera*) *yunnanensis* sp. nov., 新种与悦鸣草螽 *Conocephalus* (*Anisoptera*) *melaenus* (Haan, 1842) 近似, 但翅明显较短, 产卵瓣远长于体长, 后足股节中部具 1 黑色环纹。模式标本保存于河北大学博物馆。

关键词　草螽属, 新种, 直翅目, 螽斯科, 中国.

中图分类号　Q969.263.1

草螽属 *Conocephalus* Thunberg 是螽斯科一个较大的属, 目前全世界已报道 150 多种 (Eades & Otte, 2008)。草螽属分布于世界各大洲, 东洋界、非洲界、新热带界和澳洲界种类丰富。

近年来, 我国学者夏凯龄等 (1992)、石福明等 (1994)、Shi *et al*. (1997)、Shi *et al*. (1999) 先后报道过中国草螽属的新种, 刘宪伟等 (2007) 对我国草螽属的种类进行了较系统研究, 并描述了两新种。到目前为止, 中国草螽属共记录 18 种。

草螽属昆虫在我国多数省市 (自治区) 有分布报道, 其中主要分布于华南区、西南区、华中区和华东区。本文报道采自云南 1 新种, 即云南草螽 *Conocephalus* (*Anisoptera*) *yunnanensis* sp. nov., 模式标本保存于河北大学博物馆。

云南草螽, 新种 *Conocephalus* (*Anisoptera*) *yunnanensis* sp. nov. (图 1~3)

雌性　体小型。头顶相对较狭, 约为触角柄节宽的 1/2, 背面观, 两侧近于平行, 腹面与额顶相接。触角细长, 柄节粗壮。复眼半球形, 向前突出。前胸背板较短, 前缘较直, 后缘钝圆形; 侧片三角形, 腹缘圆角形, 缺肩凹, 胸部听器部位呈半透明状鼓起; 前胸腹板具 1 对长刺。前足基节具 1 枚刺, 前足胫节腹面内、外缘具 6 对刺, 前足胫节内、外侧听器均为裂缝状。中足胫节腹面内、外缘各具 6~7 枚刺。后足胫节背面内、外缘分别具 32~34 枚刺, 端部腹缘具 2 对端距, 背缘具 1 对端距, 股节膝叶端部具 1 刺; 足的股节腹面缺刺。前翅短, 刚到达腹部末节背板后缘, 较狭, 端部钝圆, 后翅稍长于前翅。腹部末节背板较狭, 中央具宽的浅纵沟。尾须长圆锥形, 端部尖; 产卵瓣细长, 远长于体长, 约等宽, 背腹缘近于平行, 端部尖, 背瓣长于腹瓣。下生殖板近于半圆形, 后缘中央稍凹入。

体绿色, 头部背面具三角形黑色纵纹, 延伸到头顶端部。触角柄节绿色, 其余部分黄褐色, 复眼黄褐色。前胸背板背面具 1 对宽的、近于平行的黑色纵纹, 其间呈黄褐色。前足和中足胫节和跗节黄褐色, 胫节刺黑色; 后足股节基半部绿色, 端半部黄褐色, 中部具 1 宽的黑色环纹, 端部黑色; 后足胫节基部、端部与跗节黑色。前翅亚前缘脉域和径脉域基部黑色, 其余部分浅黑褐色。

雄性　未知。

♀ 测量 (mm): 体长 19, 前胸背板长 4.5, 前翅长 18, 后足股节长 20, 产卵瓣长 30。

正模 ♀, 中国云南河口, 2006-07-22, 刘浩宇采。

新种与悦鸣草螽 *Conocephalus* (*Anisoptera*) *melaenus* (Haan, 1842) 相似, 主要区别: 翅明显较短, 刚到达腹部末端; 产卵瓣远长于体长; 后足股节中部具 1 宽的黑色环纹。

词源: 新种名来自模式产地名云南。

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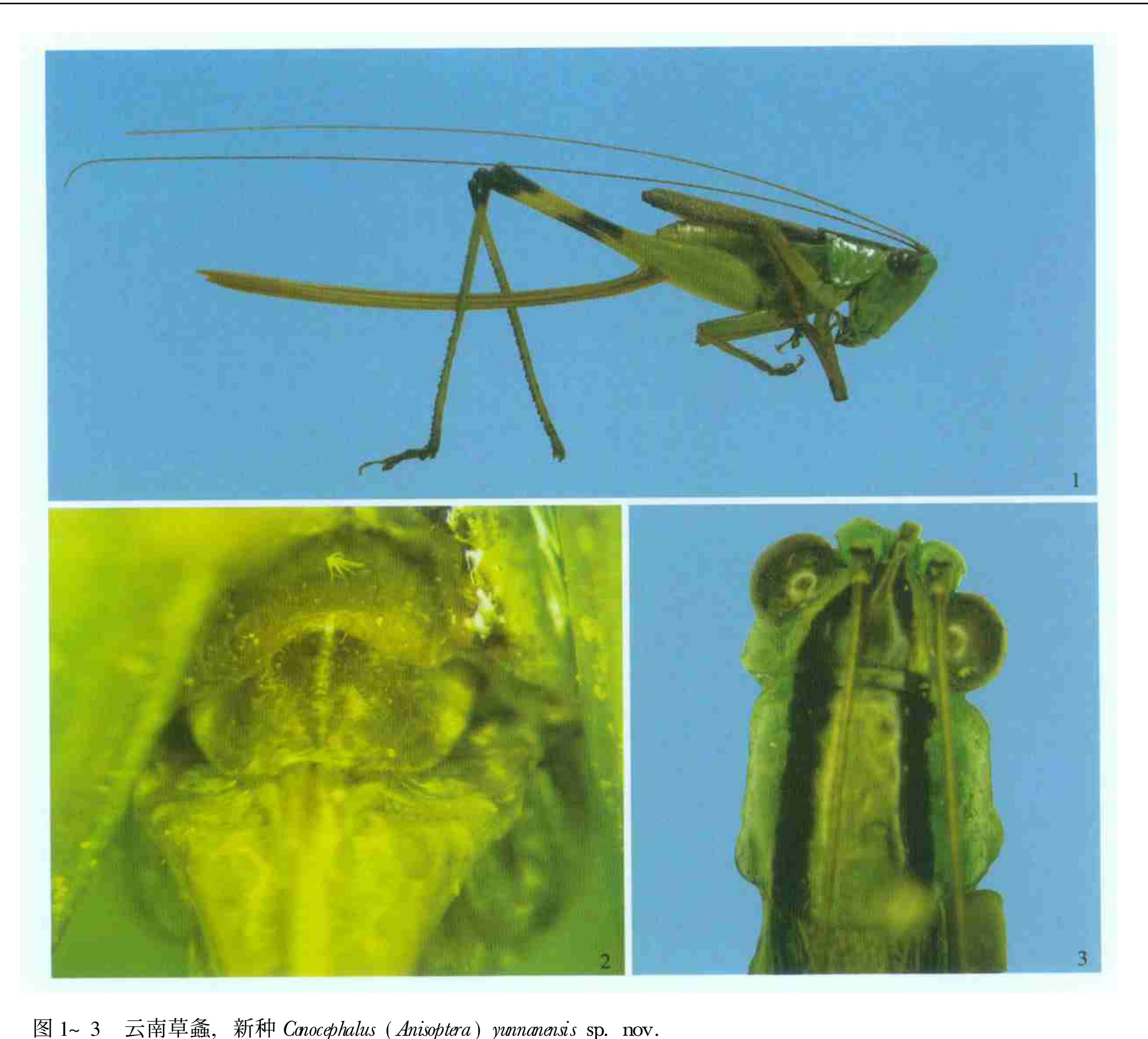


图 1~ 3 云南草螽, 新种 *Conocephalus* (*Anisoptera*) *yunnanensis* sp. nov.
1. ♀ 整体, 侧面观 (♀ body, lateral view) 2. ♀ 下生殖板, 腹面观 (♀ subgenital plate, ventral view) 3. ♀ 头与前胸背板, 背面观 (♀ head and pronotum, dorsal view)

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ONE NEW SPECIES OF THE GENUS CONOCEPHALUS THUNBERG (ORTHOPTERA, TETTIGONIIDAE) FROM YUNNAN, CHINA

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Abstract This paper reports one new species of the genus *Conocephalus* Thunberg from Yunnan, China. The type specimen is deposited in Museum of Hebei University, Baoding, China.

Conocephalus (Anisoptera) yunnanensis **sp. nov.** (Figs. 1-3)

Female. Body small. Fastigium verticis comparatively narrow, about a half of scapus, almost parallel in dorsal view, connected with fronal verticis. Scapus of antenna robust, eyes semiglobose, protruding foreward. Pronotum short, anterior margin straight, posterior margin protruding afterward, semiorbicular; lateral lobe triangular, without humeral sinus, with a tumid semi-transparent area along posterior margin. Prosternum with a pair of spines. Ventral margins of all femora without spine. Tegmina short, reaching posterior area of last abdominal tergite, narrow, apex blunt, hind wings slightly longer than tegmina. Tenth abdominal tergite narrow, with broad longitudinal sulus. Cerci long conical, ovipositor thin long, most longer than body, dorsal and ventral margins parallel, apex acute. Subgenital plate semicircular, posterior margin slightly concave.

Body green, vertex with long triangular black stripe on, Disc of pronotun with a pair of parallel black broad longitudinal stripes, area between the stripes yellowish brown. Basal half of hind femora green, apical half yellowish brown, with a broad black ring stripe near the middle, apices of hind femora and bases of hind tibiae black, also apices of hind tibiae and tarsi black. Basal area of subcostal area and radial area of tegmina black, other area brown.

♀. Measurements (mm). Body 19, pronotum 4.5, tegmina 18, hind femora 20, ovipositor 30.

Holotype ♀, Hekou, Yunnan, China, 22 July 2006, collected by LIU Hao-Yu.

Remarks. This new species resembles *Conocephalus* (*Anisoptera*) *melaenus* (Haan, 1842), but differs from the latter in: ovipositor obviously longer than body, tegmina short, reaching apex of 10th abdominal tergite, and hind femora with a broad black ring stripe near the middle.

Key words Orthoptera, Tettigoniidae, *Conocephalus*, new species, China